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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/678,818	10/03/2003	Apurva Dolatrai Naik	STL11046	3248
7590	08/30/2004		EXAMINER [REDACTED]	RO, BENTSU
David K. Luente Seagate Technology LLC Intellectual Property - COL2LGL 389 Disc Drive Longmont, CO 80503			ART UNIT [REDACTED]	PAPER NUMBER 2837

DATE MAILED: 08/30/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	10/678,818	NAIK, APURVA DOLATRAI
	Examiner	Art Unit
	Bentsu Ro	2837

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on ____.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) Claim(s) 1-20 is/are allowed.
- 6) Claim(s) ____ is/are rejected.
- 7) Claim(s) ____ is/are objected to.
- 8) Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on ____ is/are: a) accepted or b) objected to by the Examiner.
 - Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 - Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. ____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date. ____.
3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date <u>10/3/03</u> .	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
	6) <input type="checkbox"/> Other: ____.

FIRST OFFICE ACTION ----- AN EX PARTE QUAYLE ACTION

1. Drawing corrections are required as follows:

- Applicant should label Figs. 1 and 8 as "prior art".
- In Fig. 9, add a reference numeral "905" to the box "Feed Forward". See specification page 17, line 25.

Formal drawings of Figs. 1, 8, 9 are now required.

2. All claims are allowable except the following amendments are required:

- Claim 1 defines a "motor", see lines 1 and 3. Claim 10 defines the "motor" to be a "voice coil motor".

Claims 4 and 9 each recites "the voice coil motor", see claim 4, lines 5-6 and claim 9, line 3.

It is noted that neither claim 4 nor claim 9 depends on claim 10, therefore, the recitation "the voice coil motor" in claims 4 and claim 9 is improper.

The examiner suggest that applicant amend claims 4 and 5 to depend on claim 10 so that the recitation "the voice coil motor" has a proper antecedent basis.

- A similar problem for claims 14 and 19. The examiner suggest that applicant amend claims 14 and 15 to depend on claim 20.
- In claim 20, line 2, change the word "method" to --apparatus--.

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3. The following is a statement of reasons for the indication of allowable subject matter: the claims are allowable because no prior art teaches a cosine bang-bang seek operation as shown in applicant's program Fig. 11, step 1150.

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

5. This application is in condition for allowance except for the following formal matters: see paragraphs 1 and 2 above.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

6. Any inquiry concerning this communication should be directed to Bentsu Ro at telephone number (571) 272-2072.

8/27/2004


Bentsu Ro
Senior Examiner
Art Unit 2837